

PATENT Attorney Docket No.: 2155CIPCON(203-3398CIPCON)

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Wham et al.

Examiner:

Not Assigned

Serial No.:

10/761,524

Group: Art Unit 3739

Filed:

January 21, 2004

Dated: June 28, 2004

For:

VESSEL SEALING SYSTEM

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to Applicant(s) duty of disclosure, the information listed in the attached form PTO-1449 is brought to the attention of the Examiner. It is respectfully submitted that copies of the references listed on pages 1-12 are not required since this application was filed after June 30, 2003 pursuant to 51 C.F.R. 1.98. Copies of foreign references and publications listed on pages 13-16 of form PTO-1449 are enclosed.

Applicants would like to bring parent U.S. Application Serial No. 10/073,761 filed on February 11, 2002 to the Examiner's attention. A copy of this application is enclosed.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 28, 2004.

Dated: <u>June 28, 2004</u>

Applicant would also like to bring commonly-owned U.S. Application Serial No. 08/848,038 filed on April 28, 1997, International Application No. PCT/US03/14155 filed on May 6, 2003, U.S. Application Serial No. filed on 10/254,956 filed on September 25, 2002, International Application No. PCT/US03/28537 filed on December 29, 2003; U.S. Application Serial No. 10/626,390 filed on July 24, 2003; U.S. Application Serial No. 10/427,832 filed on May 1, 2003; U.S. Application Serial No. 10/728,212 filed on December 4, 2003; U.S. Application Serial No. 10/728,259 filed on December 4, 2003; U.S. Application Serial No. 10/835,657 filed on April 30, 2004; U.S. Application Serial No. 10/719,305 filed on November 21, 2003; International Application Serial No. PCT/US03/37310 filed on November 21, 2003; U.S. Application Serial No. 10/718,114 filed on November 20, 2003; International Application Serial No. PCT/US03/33711 filed on October 23, 2003 and International Application Serial No. PCT/US03/33832 filed on October 23, 2003 to the Examiner's attention. Copies of these applications are enclosed.

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art.

The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

- [] This information disclosure statement is being filed within three (3) months of the filing date of this application.
- [] This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application.
- [X] To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.
- [] Enclosed herewith is a certificate under 37 C.F.R. §1.97(e)(1).
- [] Enclosed herewith is a petition under 37 C.F.R. §1.97(d)(ii).
  - [] Enclosed by check is the petition fee of \$130.00. (37 C.F.R. §1.17(i)(1))
  - [] Please charge the \$130.00 petition fee to Deposit Account No. 21-0550.
- [] Enclosed by check is the \$180.00 fee required by 37 C.F.R. §1.17(p).
- [] Please charge the \$180.00 fee required by 37 C.F.R. §1.17(p) to Deposit Account No. 21-0550.
- [X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 21-0550. Also, in the event any

extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 21-0550 therefor.

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,

Michael J. Porco Reg. No. 46,007

Attorney for Applicant(s)

Carter, DeLuca, Farrell & Schmidt, LLP

445 Broad Hollow Road Suite 225 Melville, New York 11747

Tel.: (631) 501-5700 Fax: (631) 501-3526

MJP/gm



| RADEM               | RADEMARKS without references |                       |                              |           |             |                            |  |  |
|---------------------|------------------------------|-----------------------|------------------------------|-----------|-------------|----------------------------|--|--|
| orm P10-14          | 149                          |                       | Docket Number (Optional)     |           | Application | Number                     |  |  |
| INFOR               | MATION DISCLOSUR             | E CITATION            | 2155CIPCON(203-33980         | CIPCON)   | 10.         | /761,524                   |  |  |
|                     | IN AN APPLICATION            | ON !                  | Applicant                    | Applicant |             |                            |  |  |
|                     |                              | •                     | Wham et al.                  |           |             |                            |  |  |
| ı                   | (Use several sheets if nece  | essary)               | Filing Date                  |           | Group Art N |                            |  |  |
|                     |                              |                       | January 21, 2004             | 4         | <u> </u>    | 3739                       |  |  |
|                     |                              | U.S. PATEN            | T DOCUMENTS                  |           |             |                            |  |  |
| Examiner<br>Initial | Document<br>Number           | Date                  | Name                         | Class     | Subclass    | Filing Date if Appropriate |  |  |
|                     | RE 33,420                    | Nov. 6, 1990          | Marvin L. Sussman            |           |             |                            |  |  |
|                     | RE 36,871                    | Sept. 12, 2000        | Paul Epstein                 | <u> </u>  |             |                            |  |  |
|                     | 2001/0031962 A1              | Oct. 18, 2001         | Jeffery L. Eggleston         | <u> </u>  | <u> </u>    |                            |  |  |
|                     | 1,787,709                    | Jan. 6, 1931          | F.C. Wappler                 |           |             |                            |  |  |
|                     | 1,813,902                    | Jul. 14, 1931         | W.T. Bovie                   |           |             |                            |  |  |
|                     | 1,841,968                    | Jan. 19, 1932         | N.H. Lowry                   |           |             |                            |  |  |
|                     | 1,863,118                    | Jun. 14, 1932         | J.G.H. Liebel                |           |             |                            |  |  |
|                     | 1,945,867                    | Feb. 6, 1934          | P.C. Rawls                   |           |             |                            |  |  |
|                     | 2,827,056                    | Mar. 18, 1958         | J. Degelman                  |           |             |                            |  |  |
|                     | 2,849,611                    | Aug. 26, 1958         | R.P. Adams                   |           |             |                            |  |  |
|                     | 2,982,881                    | May 2, 1961           | R.W. Reich                   |           |             |                            |  |  |
|                     | 3,058,470                    | Oct. 16, 1962         | E. Seeliger et al.           |           |             |                            |  |  |
|                     | 3,089,496                    | May. 14, 1963         | J. Degelman                  |           |             |                            |  |  |
|                     | 3,163,165                    | Dec. 29, 1964         | Humio Islikawa               |           |             |                            |  |  |
|                     | 3,252,052                    | May. 17,1966          | F.M. Nash                    |           |             |                            |  |  |
|                     | 3,391,351                    | Jul. 2, 1968          | D. W. Trent                  |           |             |                            |  |  |
|                     | 3,402,326                    | Sept. 17, 1968        | R.A. Guasco et al.           |           |             |                            |  |  |
|                     | 3,413,480                    | Nov. 26, 1968         | J.R. Biard et al.            |           |             |                            |  |  |
|                     | 3,436,563                    | Apr. 1, 1969          | W.M. Regitz                  |           |             |                            |  |  |
|                     | 3,439,253                    | Apr. 15, 1969         | M.J. Piteo                   |           |             |                            |  |  |
|                     | 3,439,680                    | Apr. 22, 1969         | E.R. Thomas Jr.              |           |             |                            |  |  |
|                     | 3,461,874                    | Aug. 19, 1969         | M. Martinez                  |           |             |                            |  |  |
|                     | 3,471,770                    | Oct. 7, 1969          | K. E. Haire                  |           |             |                            |  |  |
|                     | 3,478,744                    | Nov. 18, 1969         | H. Leiter                    |           |             |                            |  |  |
|                     | 3,486,115                    | Dec. 23, 1969         | D. J. Anderson               |           |             |                            |  |  |
|                     | 3,495,584                    | Feb. 17, 1970         | A. W. Schwalm                |           |             |                            |  |  |
|                     | 3,513,353                    | May. 19, 1970         | J. L. Lansch                 |           |             |                            |  |  |
|                     | 3,514,689                    | May 26, 1970          | R. Giannamore                |           |             |                            |  |  |
|                     | 3,515,943                    | Jun. 2, 1970          | Warrington                   |           |             |                            |  |  |
|                     | 3,551,786                    | Dec. 29, 1970         | J.L. Van Gulik               |           |             |                            |  |  |
| Examiner            | •                            |                       |                              | Date C    | Considere   | d                          |  |  |
|                     | (-141-116-14-41              | shashan an mas alsos! | ion is in conformance with M | (DED foor | Dunny line  | th-auch                    |  |  |

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

| Form PTO-1449                     |                                  | Docket Number (Optional) |                              | Application Number |               |                            |
|-----------------------------------|----------------------------------|--------------------------|------------------------------|--------------------|---------------|----------------------------|
| INFORM                            | MATION DISCLOSUR                 | E CITATION               | 2155CIPCON(203-3398CIPCON)   |                    | N) 10/761,524 |                            |
|                                   | IN AN APPLICATION                |                          | Applicant Wham et al.        |                    |               |                            |
| (Use several sheets if necessary) |                                  |                          | Filing Date                  |                    | Group Art N   | 1                          |
|                                   |                                  |                          | January 21, 2004             | -                  | <u>.</u>      | 3739                       |
|                                   | ·                                | U.S. PATEN               | T DOCUMENTS                  |                    |               |                            |
| Examiner<br>Initial               | Document<br>Number               | Date                     | Name                         | Class              | Subclass      | Filing Date if Appropriate |
|                                   | 3,562,623                        | Feb. 9, 1971             | Robert P. Farnsworth         |                    |               |                            |
|                                   | 3,571,644                        | Mar. 23, 1971            | Albert Jakoubovitch          | -                  |               |                            |
|                                   | 3,589,363                        | Jun. 29, 1971            | Anton Banko                  |                    |               |                            |
|                                   | 3,595,221                        | Jul. 27, 1971            | John Harold Blackett         |                    |               |                            |
|                                   | 3,601,126                        | Aug. 24, 1971            | Jerry R. Estes               |                    |               |                            |
|                                   | 3,611,053                        | Oct. 5, 1971             | William G. Rowell            |                    |               |                            |
|                                   | 3,641,422                        | Feb. 18, 1972            | Farnsworth et al.            |                    |               |                            |
|                                   | 3,662,151                        | May. 9, 1972             | Paul C. Haffey               |                    |               |                            |
|                                   | 3,675,655                        | Jul. 11, 1972            | Weldon Rex Sittner           |                    |               |                            |
|                                   | 3,683,923                        | Aug. 15, 1972            | Robert K. Anderson           |                    |               |                            |
|                                   | 3,693,613                        | Sept. 26, 1972           | Charles Kelman               |                    |               |                            |
|                                   | 3,697,808                        | Oct. 10, 1972            | Joo Chan Lee                 |                    |               |                            |
|                                   | 3,699,967                        | Oct. 24, 1972            | Robert K. Anderson           |                    |               |                            |
|                                   | 3,720,896                        | Mar. 13, 1973            | Reiner Bierlein              |                    |               |                            |
|                                   | 3,743,918                        | Jul. 3, 1973             | Guy Maitre                   | -                  |               |                            |
|                                   | 3,766,434                        | Oct. 16, 1973            | Stanley A. Sherman           |                    |               |                            |
|                                   | 3,768,482                        | Oct. 30, 1973            | Robert F. Shaw               |                    |               |                            |
|                                   | 3,783,340                        | Jan. 1, 1974             | Richard S. Becker            |                    |               |                            |
|                                   | 3,784,842                        | Jan. 8, 1974             | Frederic B. Kremer           |                    |               | ·                          |
|                                   | 3,801,766                        | Apr. 2, 1974             | Charles F. Morrison, Jr.     |                    |               |                            |
|                                   | 3,801,800                        | Apr. 2, 1974             | David W. Newton              |                    |               |                            |
|                                   | 3,812,858                        | May. 28, 1974            | Maurice Jules Oringer        |                    |               |                            |
|                                   | 3,815,015                        | Jun. 4, 1974             | Swin et al.                  |                    |               |                            |
|                                   | 3,826,263                        | Jul. 30, 1974            | John M. Cage et al.          |                    |               |                            |
|                                   | 3,828,768                        | Aug. 13, 1974            | David W. Douglas             |                    |               |                            |
|                                   | 3,848,600                        | Nov. 19, 1974            | C. T. Patrick, Jr., et al.   |                    |               |                            |
|                                   | 3,870,047                        | Mar. 11, 1975            | Donald I. Gonser             |                    |               |                            |
|                                   | 3,875,945                        | Apr. 8, 1975             | Joshua Friedman              |                    |               |                            |
|                                   | 3,885,569                        | May. 27, 1975            | Donald W. Judson             |                    |               |                            |
|                                   | 3,897,787                        | Aug. 5, 1975             | Yuji Ikuno et al.            |                    |               |                            |
| Examiner                          |                                  | -                        |                              | Date C             | onsidere      | d                          |
|                                   |                                  |                          |                              |                    |               |                            |
| Examiner: I                       | nitial if citation considered, w | hether or not citati     | on is in conformance with M  | PEP \$609          | ; Draw line   | through                    |
| citation if no                    | t in conformance and not cor     | sidered. Include co      | py of this form with next co | nmunicat           | ion to the a  | pplicant.                  |

| Form PTO-1449       |                                  | Docket Number (Optional) |                                 | Application Number |                |   |
|---------------------|----------------------------------|--------------------------|---------------------------------|--------------------|----------------|---|
| INFORM              | MATION DISCLOSUR                 | E CITATION               | 2155CIPCON(203-3398CIPCON       |                    | ON) 10/761,524 |   |
|                     | IN AN APPLICATION                |                          | Applicant Wham et al.           |                    |                |   |
| (1                  | Use several sheets if nece       | essary)                  | Filing Date<br>January 21, 2004 | ļ                  | Group Art N    | lumber<br>3739                          |
|                     |                                  | U.S. PATEN               | T DOCUMENTS                     |                    |                |   |
| Examiner<br>Initial | Document<br>Number               | Date                     | Name                            | Class              | Subclass       | Filing Date if Appropriate              |
|                     | 3,897,788                        | Aug. 5, 1975             | David W. Newton                 |                    |                |   |
|                     | 3,901,216                        | Aug. 26, 1975            | Milton R. Felger                |                    |                |   |
|                     | 3,905,373                        | Sept. 16, 1975           | Donald I. Gonser                |                    |                |   |
|                     | 3,913,583                        | Oct. 21, 1975            | William T. Bross                |                    |                |   |
|                     | 3,923,063                        | Dec. 2, 1975             | Stephen Andrews et al.          |                    |                |   |
|                     | 3,933,157                        | Jan. 20, 1976            | Per Henrik Bjurwill et al.      |                    |                |   |
|                     | 3,946,738                        | Mar. 30, 1976            | David W. Newton et al.          |                    |                |   |
|                     | 3,952,748                        | Apr. 27, 1976            | Kaliher et al.                  |                    |                |   |
|                     | 3,963,030                        | Jun. 15, 1976            | David W. Newton                 |                    |                |   |
|                     | 3,964,487                        | Jun. 22, 1976            | Donald W. Judson                |                    |                |   |
|                     | 3,971,365                        | Jul. 27, 1976            | Leland B. Smith                 |                    |                |   |
|                     | 3,980,085                        | Sept. 14, 1976           | Yuji Ikuno                      |                    |                |   |
|                     | 4,005,714                        | Feb. 1, 1977             | Siegfried Hilebrandt            |                    |                | - · · · · · · · · · · · · · · · · · · · |
|                     | 4,024,467                        | May 17, 1977             | Andrews et al.                  |                    |                |   |
|                     | 4,041,952                        | Aug. 16, 1977            | C. Morrison, Jr. et al.         |                    |                |   |
|                     | 4,051,855                        | Oct. 4, 1977             | Max Schneiderman                |                    |                |   |
|                     | 4,063,557                        | Dec. 20, 1977            | David G. Wuchinich et al.       |                    |                |   |
|                     | 4,074,719                        | Feb. 21, 1978            | Kurt Semm                       |                    |                |   |
|                     | 4,094,320                        | Jun. 13, 1978            | David W. Newton et al.          |                    |                | <del></del>                             |
|                     | 4,102,341                        | Jul. 25, 1978            | Yuzi Ikuno et al.               |                    |                |   |
|                     | 4,114,623                        | Sept. 19, 1978           | Hans Meinke et al.              |                    |                |   |
|                     | 4,121,590                        | Oct. 24, 1978            | Donald I. Gonser                |                    |                |   |
|                     | 4,123,673                        | Oct. 31, 1978            | Donald I. Gonser                | -                  |                |   |
|                     | 4,126,137                        | Nov. 21, 1978            | G. Kent Archibald               |                    |                |   |
|                     | 4,145,636                        | Mar. 20, 1979            | S.Doi                           |                    |                |   |
|                     | 4,188,927                        | Feb. 19, 1980            | Frank W. Harris                 |                    |                | <u> </u>                                |
|                     | 4,196,734                        | Apr. 8, 1980             | Frank W. Harris                 |                    |                |   |
|                     | 4,200,104                        | Apr. 29, 1980            | Frank W. Harris                 |                    |                |   |
|                     | 4,200,105                        | Apr. 29, 1980            | Donald I. Gosner                |                    | _              |   |
| xaminer             | ,,_55,,100                       |                          | , 255.5 (1.900)(0)              | Date C             | Considere      | d                                       |
|                     | itial if citation considered, wi |                          |                                 |                    |                |   |

| Form PTO-1449 |                                  | Docket Number (Optional) |                                 | Application Number |                          |                |
|---------------|----------------------------------|--------------------------|---------------------------------|--------------------|--------------------------|----------------|
| INFORM        | ATION DISCLOSUR                  | E CITATION               | 2155CIPCON(203-3398CIPCON)      |                    | 10/761,524               |                |
|               | IN AN APPLICATION                | N                        | Applicant Wham et al.           |                    |                          |                |
| (             | Use several sheets if nece       | essary)                  | Filing Date<br>January 21, 2004 |                    | Group Art Number<br>3739 |                |
|               |                                  | U.S. PATEN               | T DOCUMENTS                     |                    |                          |                |
| Examiner      | Document                         |                          |                                 | <del>-</del> -     |                          | Filing Date    |
| Initial       | Number                           | Date                     | Name                            | Class              | Subclass                 | if Appropriate |
|               | 4,209,018                        | Jun. 24, 1980            | Hans Meinke et al.              |                    |                          |                |
|               | 4,231,372                        | Nov. 4, 1980             | David W. Newton                 |                    |                          |                |
|               | 4,232,676                        | Nov. 11, 1980            | Andrew Herczog                  | <del> </del>       |                          |                |
|               | 4,237,887                        | Dec. 9, 1980             | Donald I. Gosner                |                    |                          |                |
|               | 4,237,891                        | Dec. 9, 1980             | Ronald A. DuBose et al.         |                    |                          |                |
|               | 4,281,373                        | Jul. 28, 1981            | Pierre Mabille                  |                    |                          |                |
|               | 4,287,557                        | Sep. 1, 1981             | Robert F. Brehse                |                    |                          |                |
|               | 4,303,073                        | Dec. 1, 1981             | G. Kent Archibald               |                    |                          |                |
|               | 4,311,154                        | Jan. 19, 1982            | Sterzer et al.                  |                    |                          |                |
|               | 4,314,559                        | Feb. 9, 1982             | Richard E. Allen                |                    |                          |                |
|               | 4,321,926                        | Mar. 30, 1982            | Ralph R. Roge                   |                    |                          |                |
|               | 4,334,539                        | Jun. 15, 1982            | Warren L. Childs et al.         |                    | _                        |                |
|               | 4,343,308                        | Aug. 10, 1982            | Robert D. Gross                 |                    |                          |                |
|               | 4,376,263                        | Mar. 8, 1983             | Pittroff et al.                 |                    |                          |                |
|               | 4,384,582                        | May. 24, 1983            | John H. Watt                    |                    |                          |                |
|               | 4,397,314                        | Aug. 9, 1983             | Vaguine                         |                    |                          |                |
|               | 4,407,272                        | Oct. 4, 1983             | Tatuya Yamaguchi                |                    |                          |                |
|               | 4,411,266                        | Oct. 25, 1983            | Eric R. Cosman                  |                    |                          |                |
|               | 4,416,277                        | Nov. 22, 1983            | David W. Newton et al.          |                    |                          |                |
|               | 4,437,464                        | Mar. 20, 1984            | James J. Crow                   |                    |                          |                |
|               | 4,452,546                        | Jun. 5, 1984             | S. Hiltebrandt et al.           |                    |                          |                |
|               | 4,463,759                        | Aug. 7, 1984             | Jon C. Garito et al.            |                    |                          |                |
|               | 4,470,414                        | Sept. 11, 1984           | Kyoshiro Imagawa et al.         |                    |                          |                |
|               | 4,472,661                        | Sep. 18, 1984            | Clifford T. Culver              |                    |                          |                |
|               | 4,474,179                        | Oct. 2, 1984             | Rainer Koch                     |                    |                          |                |
|               | 4,492,231                        | Jan. 8, 1985             | David C. Auth                   |                    |                          |                |
|               | 4,492,832                        | Jan. 8, 1985             | Glenn N. Taylor                 |                    |                          |                |
| Examiner      |                                  |                          |                                 | Date C             | onsidere                 | d              |
|               |                                  |                          |                                 |                    |                          |                |
|               | nitial if citation considered, w |                          |                                 | •                  |                          | ŭ              |

| Form PTO-1449          |                                  | Docket Number (Optional)        |                              | Application Number       |           |                            |
|------------------------|----------------------------------|---------------------------------|------------------------------|--------------------------|-----------|----------------------------|
| INFORI                 | MATION DISCLOSUR                 | E CITATION                      | 2155CIPCON(203-3398C         | (IPCON                   | 10/       | 761,524                    |
|                        | IN AN APPLICATION                |                                 | Applicant<br>Wham et al.     |                          |           |                            |
|                        | (Use several sheets if nece      | Filing Date<br>January 21, 2004 | ļ                            | Group Art Number<br>3739 |           |                            |
|                        |                                  | U.S. PATEN                      | T DOCUMENTS                  |                          |           |                            |
| Examiner<br>Initial    | Document<br>Number               | Date                            | Name                         | Class                    | Subclass  | Filing Date if Appropriate |
|                        | 4,494,541                        | Jan. 22, 1985                   | G. Kent Archibald            |                          |           |                            |
|                        | 4,514,619                        | Apr. 30, 1985                   | Michael M. Kugelman          |                          |           |                            |
|                        | 4,520,818                        | Jun. 4, 1985                    | Stanley Mickiewicz           |                          |           |                            |
|                        | 4,559,943                        | Dec. 24, 1985                   | William J. Bowers            |                          |           |                            |
|                        | 4,565,200                        | Jan. 21, 1986                   | Eric R. Cosman               |                          |           |                            |
|                        | 4,566,454                        | Jan. 28, 1986                   | Thomas L. Mehl et al.        |                          |           |                            |
|                        | 4,569,345                        | Feb. 11, 1986                   | Michael R. Manes             |                          |           |                            |
|                        | 4,576,177                        | Mar. 18, 1986                   | Webster Jr.                  |                          |           |                            |
|                        | 4,582,057                        | Apr. 15, 1986                   | Dacid C. Auth et al.         |                          |           |                            |
|                        | 4,590,934                        | May. 27, 1986                   | Jerry L. Malis et al.        |                          |           |                            |
|                        | 4,608,977                        | Sep. 2, 1986                    | Brown                        |                          |           |                            |
|                        | 4,630,218                        | Dec. 16, 1986                   | James R. Hurley              |                          |           |                            |
|                        | 4,632,109                        | Dec. 30, 1986                   | William G. Patterson         |                          |           |                            |
|                        | 4,644,955                        | Feb. 24, 1987                   | P. Mioduski                  |                          |           |                            |
|                        | 4,651,264                        | Mar. 17, 1987                   | Shiao-Chung Hu               |                          |           |                            |
|                        | 4,657,015                        | Apr. 14, 1987                   | Warner Irnich                |                          |           |                            |
|                        | 4,658,815                        | Apr. 21, 1987                   | Gunter Farin et al.          |                          |           |                            |
|                        | 4,658,820                        | Apr. 21, 1987                   | Michael S. Klicek            |                          |           |                            |
|                        | 4,662,383                        |                                 | Sogawa et al.                |                          |           |                            |
|                        | 4,712,559                        | Dec. 15, 1987                   | Paul F.Turner                |                          |           |                            |
|                        | 4,735;204                        | Apr. 5, 1988                    | Marvin L. Sussman et al.     |                          |           |                            |
|                        | 4,739,759                        | Apr. 26, 1988                   | F. W. Rexroth et al.         |                          |           |                            |
|                        | 4,741,334                        | May. 3, 1988                    | Werner Irnich                |                          |           |                            |
|                        | 4,754,757                        | Jul. 5, 1988                    | Peter Feucht                 |                          |           |                            |
|                        | 4,805,621                        | Feb. 21, 1989                   | Heinze et al.                |                          |           |                            |
|                        | 4,818,954                        | Apr. 4, 1989                    | Flachenecker et al.          |                          |           |                            |
| Examiner  Examiner: In | nitial if citation considered, w | hathar or not citatio           | is in conformance with MP    |                          | Onsidered |                            |
|                        |                                  |                                 | on is in conformance with MP | -                        |           |                            |

| Form PTO-1449 INFORMATION DISCLOSURE CITATION |                           |                | Docket Number (Optional)                                    |        | Application Number       |   |
|---|---------------------------|----------------|---|--------|--------------------------|---|
|   |                           |                | 2155CIPCON(203-3398CIPCON) 10/761,52                        |        |                          | 761,524                                 |
|   | IN AN APPLICATION         | ON             | Applicant<br>Wham et al.                                    |        |                          |   |
| (U  | se several sheets if nece | essary)        | Filing Date<br>January 21, 2004                             |        | Group Art Number<br>3739 |   |
|   |                           | U.S. PATEN     | T DOCUMENTS   |        |                          |   |
| Examiner<br>Initial                           | Document<br>Number        | Date           | Name  | Class  | Subclass                 | Filing Date<br>if Appropriate           |
|   | 4,827,911                 | May. 9, 1989   | Alan Broadwin et al.  |        |                          |   |
|   | 4,827,927                 | May. 9, 1989   | David W.Newton  |        |                          |   |
|   | 4,832,024                 | May 23, 1989   | Boussignac et al.   |        |                          |   |
|   | 4,848,355                 | Jul. 18, 1989  | Yasuhiro Nakamura et al.                                    |        |                          |   |
|   | 4,860,745                 | Aug. 29, 1989  | Gunter Farin et al.   |        |                          | - · · · · · · · · · · · · · · · · · · · |
|   | 4,862,889                 | Sept. 5, 1989  | Peter Feucht  |        |                          |   |
|   | 4,880,719                 | Nov. 14, 1989  | Murofushi et al.  |        |                          |   |
|   | 4,890,610                 | Jan. 2, 1990   | L. T. Kirwan et al.   |        |                          |   |
|   | 4,903,696                 | Feb. 27, 1990  | Peter Stasz et al.  |        |                          |   |
|   | 4,907,589                 | Mar. 13, 1990  | Eric R. Cosman  |        |                          |   |
|   | 4,922,210                 | May. 1, 1990   | G. Flachenecker et al.                                      |        |                          |   |
|   | 4,931,047                 | Jun. 5, 1990   | Alan Broadwin et al.  |        |                          |   |
|   | 4,938,761                 | Jul. 3, 1990   | Frieder H. Ensslin  |        |                          |   |
|   | 4,942,313                 | Jul. 17, 1990  | Helmut Kinzel   |        |                          |   |
|   | 4,961,047                 | Oct. 2, 1990   | Timothy J. Carder   |        |                          |   |
|   | 4,961,435                 | Oct 9, 1990    | Kitagawa et al.   |        |                          |   |
|   | 4,966,597                 | Oct. 30, 1990  | Cosman  |        |                          |   |
|   | 4,993,430                 | Feb. 19, 1991  | Shimoyama et al.  |        |                          |   |
|   | 4,995,877                 | Feb. 26, 1991  | Felix Ams et al.  |        |                          |   |
|   | 5,015,227                 | May. 14,1991   | Alan Broadwin et al.  |        |                          |   |
|   | 5,029,588                 | Jul. 9, 1991   | Yock et al.   |        |                          |   |
|   | 5,103,804                 | Apr. 14, 1992  | Abele et al.  |        |                          |   |
|   | 5,108,389                 | Apr. 28, 1992  | Ioan Cosmescu   |        |                          |   |
|   | 5,122,137                 | Jun. 16, 1992  | Charles D. Lennox   |        |                          |   |
|   | 5,133,711                 | Jul. 28, 1992  | Alfred Hagen  |        |                          |   |
|   | 5,151,102                 | Sept. 29, 1992 | H. Kamiyama et al.  |        |                          |   |
|   | 5,152,762                 | Oct. 6, 1992   | Jay J. McElhenney   |        |                          |   |
|   | 5,157,603                 | Oct. 20, 1992  | Gregg D. Scheller et al.                                    |        |                          |   |
| Examiner                                      |                           |                |   | Date C | onsidere                 | d                                       |
|   |                           |                | on is in conformance with MF  by of this form with next com |        |                          |   |

| Form PTO-1449       |                                  |                     | Docket Number (Optional)              |          | Application Number |                            |
|---------------------|----------------------------------|---------------------|---------------------------------------|----------|--------------------|----------------------------|
| INFORI              | MATION DISCLOSUR                 | F CITATION          | 2155CIPCON(203-3398CIPCON) 10/761,524 |          |                    | 761 524                    |
|                     | IN AN APPLICATION                |                     | Applicant Wham et al.                 |          |                    |                            |
|                     |                                  |                     |                                       |          |                    |                            |
|                     | Use several sheets if nece       | essarv)             | Filing Date                           |          | Group Art N        | umber                      |
|                     |                                  |                     | January 21, 2004                      | ,        |                    | 3739                       |
|                     |                                  | U.S. PATEN          | T DOCUMENTS                           |          |                    |                            |
| Examiner<br>Initial | Document<br>Number               | Date                | Name                                  | Class    | Subclass           | Filing Date if Appropriate |
|                     | 5,160,334                        | Nov. 3, 1992        | R. Gail Billings et al.               |          |                    |                            |
|                     | 5,190,517                        | Mar. 2, 1993        | David A. Zieve et al.                 |          |                    |                            |
|                     | 5,196,009                        | Mar. 23, 1993       | Lawerence T. Kirwan Jr.               |          |                    |                            |
|                     | 5,201,900                        | Apr. 13, 1993       | Paul C. Nardella                      |          |                    |                            |
|                     | 5,207,691                        | May. 4, 1993        | Paul C. Nardella                      |          |                    |                            |
|                     | 5,230,623                        | Jul. 27, 1993       | Guthrie et al.                        |          |                    |                            |
|                     | 5,233,515                        | Aug. 3, 1993        | Eric R. Cosman                        |          |                    |                            |
|                     | 5,267,994                        | Dec. 7, 1993        | Gentelia et al.                       |          |                    |                            |
|                     | 5,281,213                        | Jan. 25, 1994       | Milder et al.                         |          |                    |                            |
|                     | 5,318,563                        | Jun. 7, 1994        | Jerry L. Malis et al.                 |          |                    |                            |
|                     | 5,323,778                        | Jun. 28, 1994       | Kandarpa et al.                       |          |                    |                            |
|                     | 5,324,283                        | Jun. 28, 1994       | Helmut Heckele                        |          |                    |                            |
|                     | 5,330,518                        | Jul. 19, 1994       | Neilson et al.                        |          |                    |                            |
|                     | 5,334,193                        | Aug. 2, 1994        | Nardella                              |          |                    |                            |
|                     | 5,341,807                        | Aug. 30, 1994       | Paul C. Nardella                      |          |                    |                            |
|                     | 5,342,356                        | Aug. 30, 1994       | Alan G. Ellman                        |          |                    |                            |
|                     | 5,342,357                        | Aug. 30, 1994       | Nardella                              |          |                    |                            |
|                     | 5,342,409                        | Aug. 30, 1994       | Keith R. Mullett                      |          | ·                  |                            |
|                     | 5,348,554                        | Sep. 20, 1994       | Imran et al.                          |          |                    |                            |
|                     | 5,370,645                        | Dec. 6, 1994        | Michael S. Klicek et al.              |          |                    |                            |
|                     | 5,370,672                        | Dec. 6, 1994        | Kim R. Fowler et al.                  |          |                    |                            |
|                     | 5,370,675                        | Dec. 6, 1994        | Edwards et al.                        |          |                    |                            |
|                     | 5,372,596                        | Dec. 13, 1994       | Michael S. Klicek et al.              |          |                    |                            |
|                     | 5,383,876                        | Jan. 24, 1995       | Nardella                              |          |                    |                            |
|                     | 5,383,917                        | Jan. 24, 1995       | Desai et al.                          |          |                    |                            |
|                     | 5,385,148                        | Jan. 31, 1995       | Lesh et al.                           |          |                    |                            |
|                     | 5,396,062                        | Mar. 7, 1995        | David K. Eisentraut et al.            |          |                    |                            |
|                     | 5,400,267                        | Mar. 21, 1995       | Dennis J. Denen et al.                |          |                    |                            |
| Examiner            |                                  |                     |                                       | Date C   | onsidere           | d                          |
|                     |                                  |                     |                                       |          |                    |                            |
|                     | nitial if citation considered, w |                     |                                       | -        |                    | -                          |
| citation if no      | t in conformance and not cons    | sidered. Include co | py of this form with next com         | municati | on to the ap       | olicant.                   |

| Form PTO-1449    |                                  | Docket Number (Optional) |                               | Application Number |              |                               |
|------------------|----------------------------------|--------------------------|-------------------------------|--------------------|--------------|-------------------------------|
| INFOR            | MATION DISCLOSUR                 | E CITATION               | 2155CIPCON(203-3398C          | IPCON)             | 10/761,524   |                               |
|                  | IN AN APPLICATION                |                          | Applicant                     |                    |              |                               |
|                  |                                  |                          | Wham et al.                   |                    |              |                               |
| (                | Use several sheets if nece       | essary)                  | Filing Date                   |                    | Group Art N  |                               |
|                  |                                  |                          | January 21, 2004              |                    |              | 3739                          |
|                  |                                  | U.S. PATEN               | T DOCUMENTS                   |                    |              |                               |
| Examiner Initial | Document<br>Number               | Date                     | Name                          | Class              | Subclass     | Filing Date<br>if Appropriate |
|                  | 5,403,311                        | Apr. 4, 1995             | Abele et al.                  |                    |              |                               |
|                  | 5,403,312                        | Apr. 4, 1995             | David C. Yates et al.         |                    |              |                               |
|                  | 5,409,000                        | Apr. 25, 1995            | Imran                         |                    |              |                               |
|                  | 5,409,006                        | Apr. 25, 1995            | Buchholtz et al.              |                    |              |                               |
|                  | 5,413,573                        | May. 9, 1995             | John Koivukangas              |                    |              |                               |
|                  | 5,417,719                        | May. 23, 1995            | Vincent W. Hull et al.        |                    |              |                               |
|                  | 5,422,567                        | Jun. 6, 1995             | Derek Matsunaga               |                    |              |                               |
|                  | 5,423,808                        | Jun. 13, 1995            | Stuart D. Edwards et al.      |                    |              |                               |
|                  | 5,423,809                        | Jun. 13, 1995            | Michael S. Klicek             |                    |              |                               |
|                  | 5,430,434                        | Jul. 4, 1995             | Gabor Lederer et al.          |                    |              |                               |
|                  | 5,433,739                        | Jul. 18, 1995            | Menno E. Sluijter et al.      |                    |              |                               |
|                  | 5,434,398                        | Jul. 18, 1995            | Samuel Goldberg               |                    |              |                               |
|                  | 5,443,463                        | Aug. 22, 1995            | Roger A. Stern et al.         |                    |              |                               |
|                  | 5,458,597                        | Oct. 17, 1995            | Edwards et al.                |                    |              |                               |
|                  | 5,462,521                        | Oct. 31, 1995            | Brucker et al.                |                    |              |                               |
|                  | 5,472,441                        | Dec. 5, 1995             | Edwards et al.                |                    |              |                               |
|                  | 5,478,303                        | Dec. 26, 1995            | D. Folry-Nolan et al.         |                    |              |                               |
|                  | 5,480,399                        | Jan. 2, 1996             | Kevin A. Hebborn              |                    |              |                               |
|                  | 5,483,952                        | Jan. 16, 1996            | Ernie Aranyi                  |                    |              |                               |
|                  | 5,490,850                        | Feb. 13, 1996            | Ellman et al.                 |                    |              |                               |
|                  | 5,500,012                        | Mar. 19, 1996            | Brucker et al.                |                    |              |                               |
|                  | 5,514,129                        | May. 7, 1996             | Gregory C. Smith              |                    |              |                               |
|                  | 5,520,684                        | May 28, 1996             | lmran                         |                    |              |                               |
| Examiner         |                                  |                          | Date C                        | Considere          | d            |                               |
| Examiner: I      | nitial if citation considered, w | hether or not citation   | on is in conformance with MI  | PEP §609;          | Draw line    | through                       |
| citation if no   | t in conformance and not con     | sidered. Include co      | py of this form with next com | municati           | on to the ap | plicant.                      |

| Form PTO-1449       |                                   | Docket Number (Optional) |                          | Application Number |          |                            |
|---------------------|-----------------------------------|--------------------------|--------------------------|--------------------|----------|----------------------------|
| INFOR               | MATION DISCLOSUR                  | E CITATION               | 2155CIPCON(203-3398C     | IPCON)             | 10/      | 761,524                    |
|                     | IN AN APPLICATION                 | NC                       | Applicant<br>Wham et al. |                    |          |                            |
|                     |                                   |                          |                          |                    |          |                            |
| (                   | (Use several sheets if nece       | Filing Date              |                          | Group Art Number   |          |                            |
|                     |                                   |                          | January 21, 2004         |                    |          | 3739                       |
|                     |                                   | U.S. PATEN               | T DOCUMENTS              |                    |          |                            |
| Examiner<br>Initial | Document<br>Number                | Date                     | Name                     | Class              | Subclass | Filing Date if Appropriate |
|                     | 5,531,774                         | Jul. 2, 1996             | J. H. Schulman et al.    |                    |          |                            |
|                     | 5,534,018                         | Jul. 9, 1996             | J. D. Wahlstrand et al.  |                    |          |                            |
|                     | 5,536,267                         | Jul. 16, 1996            | Edwards et al.           |                    |          |                            |
|                     | 5,540,681                         | Jul. 30,1996             | Bruno Strul et al.       |                    |          |                            |
|                     | 5,540,724                         | Jul. 30, 1996            | Timothy J. Cox           |                    |          |                            |
|                     | 5,556,396                         | Sept. 17, 1996           | Donald Cohen et al.      |                    |          |                            |
|                     | 5,569,242                         | Oct. 29, 1996            | Ronald G. Lax et al.     |                    |          |                            |
|                     | 5,571,147                         | Nov. 5, 1996             | Menno E. Sluijter et al. |                    |          |                            |
|                     | 5,588,432                         | Dec. 31, 1996            | Crowley                  |                    |          |                            |
|                     | 5,599,344                         | Feb. 4, 1997             | William G. Paterson      |                    |          |                            |
|                     | 5,599,345                         | Feb. 4, 1997             | Edwards et al.           |                    |          |                            |
|                     | 5,605,150                         | Feb. 25, 1997            | S. W. Radons et al.      |                    |          |                            |
|                     | 5,613,966                         | Mar. 25, 1997            | Joshua Makower et al.    |                    |          |                            |
|                     | 5,613,996                         | Mar. 25, 1997            | Richard D. Lindsay       |                    |          |                            |
|                     | 5,625,370                         | Apr. 29, 1997            | Leok J. D'Hont           |                    |          |                            |
|                     | 5,626,575                         | May 6, 1997              | James C. Crenner         |                    |          |                            |
|                     | 5,628,745                         | May. 13, 1997            | Robin B. Bek             |                    |          |                            |
|                     | 5,643,330                         | Jul. 1, 1997             | Jan Holsheimer et al.    |                    |          |                            |
|                     | 5,647,871                         | Jul. 15, 1997            | Levine et al.            |                    |          |                            |
|                     | 5,651,780                         | Jul. 29, 1997            | Jerome Jackson et al.    |                    |          |                            |
|                     | 5,658,322                         | Aug. 19, 1997            | Janet E. Fleming         |                    |          |                            |
|                     | 5,660,567                         | Aug. 26, 1997            | Steve L Nierlich et al.  |                    |          |                            |
|                     | 5,688,267                         | Nov. 18, 1997            | Panescu et al.           |                    |          |                            |
|                     | 5,690,692                         | Nov. 25, 1997            | Janet E. Fleming         |                    |          |                            |
|                     | 5,693,042                         | Dec. 2, 1997             | A. A. Bioarski et al.    |                    |          |                            |
|                     | 5,695,494                         | Dec. 9, 1997             | Daniel J. Becker         |                    |          |                            |
| Examiner            | 1.000                             |                          |                          | Date C             | onsidere | d                          |
|                     | nitial if citation considered, wi |                          |                          | -                  |          | •                          |

| Form PTO-144        |                                 | without reference               | Docket Number (Optional)   |             | Application Number |                            |
|---------------------|---------------------------------|---------------------------------|----------------------------|-------------|--------------------|----------------------------|
| INFORM              | ATION DISCLOSUR                 | E CITATION                      | 2155CIPCON(203-3398CIPCON) |             | 10/761,524         |                            |
|                     | IN AN APPLICATION               | <b>DN</b>                       | Applicant<br>Wham et al.   |             |                    |                            |
| ((                  | Use several sheets if nece      | Filing Date<br>January 21, 2004 | ļ                          | Group Art N | umber<br>3739      |                            |
|                     |                                 | U.S. PATEN                      | T DOCUMENTS                |             |                    |                            |
| Examiner<br>Initial | Document<br>Number              | Date                            | Name                       | Class       | Subclass           | Filing Date if Appropriate |
|                     | 5,702,386                       | Dec. 31, 1997                   | Roger A. Stern et al.      |             |                    |                            |
|                     | 5,702,429                       | Dec. 30, 1997                   | Garry William King         |             |                    |                            |
|                     | 5,707,369                       | Jan. 13, 1998                   | Vaitekunas et al.          |             |                    |                            |
|                     | 5,720,744                       | Feb. 24, 1988                   | J. L. Eggleston et al.     |             |                    |                            |
|                     | 5,733,281                       | Mar. 31, 1998                   | Paul C. Nardella           |             |                    |                            |
|                     | 5,749,871                       | May. 12, 1998                   | Larry L. Hood et al.       |             |                    |                            |
|                     | 5,766,165                       | Jun. 16, 1998                   | John S. Gentelia et al.    |             |                    |                            |
|                     | 5,772,659                       | Jun. 30, 1998                   | Daniel J. Becker et al.    |             |                    |                            |
|                     | 5,797,902                       | Aug. 25, 1998                   | Samuel G. Netherly         |             |                    |                            |
|                     | 5,814,092                       | Sept. 29, 1998                  | Gary William King          |             |                    |                            |
|                     | 5,817,093                       | Oct. 6, 1998                    | Williamson, IV et al.      |             |                    |                            |
|                     | 5,820,568                       | Oct. 13, 1998                   | N. P. Willis               |             |                    |                            |
|                     | 5,836,943                       | Nov. 17, 1998                   | Scott A. Miller, III       |             |                    |                            |
|                     | 5,846,236                       | Dec. 8, 1998                    | Heinz Lindenmeier et al.   |             |                    |                            |
|                     | 5,868,737                       | Feb. 9, 1999                    | Taylor et al.              |             |                    |                            |
|                     | 5,868,739                       | Feb. 9, 1999                    | Heinz Lindenmeier et al.   |             |                    |                            |
| i                   | 5,868,740                       | Feb. 9, 1999                    | LeVeen et al.              |             |                    |                            |
|                     | 5,897,552                       | Apr. 27, 1999                   | Stuart D. Edwards et al.   |             |                    |                            |
|                     | 5,908,444                       | Jun. 1, 1999                    | Larry Azure                |             |                    |                            |
|                     | 5,913,882                       | Jun. 22, 1999                   | Gary William King          |             |                    |                            |
|                     | 5,921,982                       | Jul. 13, 1999                   | Lesh et al.                |             |                    |                            |
|                     | 5,925,070                       | Jul. 20, 1999                   | Gary W. King et al.        |             |                    | ·                          |
|                     | 5,938,690                       | Aug. 17, 1999                   | Jay Law et al.             |             |                    |                            |
| Examiner            |                                 |                                 |                            | Date C      | onsidere           | d                          |
|                     | itial if citation considered, w |                                 |                            |             |                    | _                          |

| Form PTO-1449       |   |                | Docket Number (Optional) |         | Application Number |                               |
|---------------------|---|----------------|--------------------------|---------|--------------------|-------------------------------|
| INFORI              | MATION DISCLOSUR  | E CITATION     | 2155CIPCON(203-3398C     | CIPCON) | 10/761,524         |                               |
|                     | IN AN APPLICATION   | ON             | Applicant<br>Wham et al. |         |                    |                               |
|                     | (Use several sheets if nece                                     | essary)        | Filing Date              |         | Group Art Number   |                               |
|                     |   | <del></del>    | January 21, 2004         | ·       | 3739               |                               |
|                     |   | U.S. PATEN     | T DOCUMENTS              |         |                    |                               |
| Examiner<br>Initial | Document<br>Number  | Date           | Name                     | Class   | Subclass           | Filing Date<br>if Appropriate |
|                     | 5,948,007   | Sept. 7, 1999  | W. Starkenbaum et al.    |         |                    |                               |
|                     | 5,951,546   | Sept. 14, 1999 | Torben Lorentzen         |         |                    | _                             |
|                     | 5,954,686   | Sep. 21, 1999  | Garito et al.            |         |                    |                               |
|                     | 5,954,717   | Sept. 21, 1999 | Robert S. Behl et al.    |         |                    |                               |
|                     | 5,971,980   | Oct. 26, 1999  | Marshall L. Sherman      |         |                    |                               |
|                     | 5,976,128   | Nov. 2, 1999   | Bertram Schilling et al. |         |                    |                               |
|                     | 5,983,141   | Nov. 9, 1999   | Menno E. Sluijter et al. |         |                    | <u> </u>                      |
|                     | 6,014,581   | Jan. 11, 2000  | Whayne et al.            |         |                    |                               |
|                     | 6,033,399   | Mar. 7, 2000   | David Lee Gines          |         |                    |                               |
|                     | 6,044,283   | Mar. 28, 2000  | Michael E. Fein et al.   |         |                    |                               |
|                     | 6,053,910   | Apr. 25, 2000  | Richard P. Fleenor       |         |                    |                               |
|                     | 6,053,912   | Apr. 25, 2000  | Panescu et al.           |         |                    |                               |
|                     | 6,056,745   | May 2, 2000    | Panescu et al.           |         |                    |                               |
|                     | 6,056,746   | May 2, 2000    | Goble et al.             |         |                    |                               |
|                     | 6,063,078   | May. 16, 2000  | Wittkampf                |         |                    |                               |
|                     | 6,068,627   | May. 30, 2000  | J. H. Orszulak et al.    |         |                    |                               |
|                     | 6,113,591   | Sept. 5, 2000  | James G. Whayne et al.   |         |                    |                               |
|                     | 6,123,702   | Sept. 26, 2000 | Swanson et al.           |         |                    |                               |
|                     | 6,132,429   | Oct. 17, 2000  | James A. Baker           |         |                    |                               |
|                     | 6,142,992   | Nov. 7, 2000   | Cheng et al.             |         |                    |                               |
|                     | 6,210,403   | Apr. 3, 2001   | Michael S. Klicek        |         |                    |                               |
|                     | 6,228,080   | May. 8, 2001   | David Lee Gines          |         |                    |                               |
|                     | 6,235,020   | May. 22, 2001  | Cheng et al.             |         |                    |                               |
|                     | 6,238,387   | May. 29, 2001  | Scott A. Miller, III     |         |                    |                               |
|                     | 6,241,725   | Jun. 5, 2001   | Cosman                   |         |                    |                               |
|                     | 6,246,912   | Jun. 12, 2001  | Menno E. Sluijter et al. |         |                    |                               |
|                     | 6,251,106   | Jun. 26, 2001  | Daniel J. Becker et al.  |         |                    |                               |
| Examiner            |   |                |                          | Date C  | onsidere           | d                             |
|                     | nitial if citation considered, what in conformance and not cons |                |                          | -       |                    | •                             |

| Form PTO-1449       |                                       | Docket Number (Optional) |                                       | Application Number |                  |                            |
|---------------------|---------------------------------------|--------------------------|---------------------------------------|--------------------|------------------|----------------------------|
| INFORM              | MATION DISCLOSUR                      |                          | 2155CIPCON(203-33980                  | CIPCON)            | 10/              | 761,524                    |
|                     | IN AN APPLICATION                     | ON                       | Applicant Wham et al.                 |                    |                  |                            |
| (                   | Use several sheets if nece            | essary)                  | Filing Date                           |                    | Group Art Number |                            |
|                     |                                       |                          | January 21, 2004                      | 1                  |                  | 3739                       |
| U.S. PATE           |                                       |                          | T DOCUMENTS                           |                    |                  |                            |
| Examiner<br>Initial | Document<br>Number                    | Date                     | Name                                  | Class              | Subclass         | Filing Date if Appropriate |
| ·                   | 6,258,085                             | Jul. 10, 2001            | Jeffery L. Eggleston                  |                    |                  |                            |
|                     | 6,306,131                             | Oct. 23, 2001            | Hareyama et al.                       |                    |                  |                            |
| _                   | 6,306,134                             | Oct. 23, 2001            | Goble et al.                          |                    |                  |                            |
|                     | 6,337,998                             | Jan. 8, 2002             | Behl et al.                           |                    |                  |                            |
|                     | 6,383,183                             | May 7, 2002              | Sekino et al.                         |                    |                  |                            |
|                     | 6,398,781                             | Jun. 4, 2002             | Goble et al.                          |                    |                  |                            |
|                     | 6,402,741                             | Jun. 11, 2002            | David Keppel et al.                   |                    |                  |                            |
|                     | 6,402,743                             | Jun. 11, 2002            | J. H. Orszulak et al.                 |                    |                  |                            |
|                     | 6,451,015                             | Sep. 17, 2002            | Rittman, III et al.                   |                    |                  |                            |
|                     | 6,506,189                             | Jan. 14, 2003            | Rittman, III et al.                   |                    |                  |                            |
|                     | 6,565,559                             | May. 20, 2003            | Jeffery L. Eggleston                  |                    |                  |                            |
|                     | 6,573,248                             | Jun. 3, 2003             | Ramasamy et al.                       |                    |                  |                            |
|                     | 6,575,969                             | Jun. 10, 2003            | Rittman, III et al.                   |                    |                  |                            |
|                     | 6,620,157                             | Sep. 16, 2003            | Dabney et al.                         |                    |                  |                            |
|                     | 6,663,623                             | Dec. 16, 2003            | Oyama et al.                          |                    |                  |                            |
|                     | 6,682,527                             | Jan. 27, 2004            | Strul                                 |                    |                  |                            |
|                     |                                       |                          |                                       |                    |                  |                            |
| -                   |                                       |                          |                                       |                    |                  |                            |
|                     |                                       |                          |                                       |                    |                  |                            |
|                     |                                       |                          | -                                     |                    |                  |                            |
|                     |                                       |                          |                                       |                    |                  |                            |
|                     |                                       |                          |                                       |                    |                  |                            |
|                     |                                       |                          | · · · · · · · · · · · · · · · · · · · |                    |                  |                            |
|                     |                                       |                          |                                       |                    |                  |                            |
|                     |                                       | <del> </del>             |                                       |                    |                  |                            |
|                     |                                       |                          |                                       |                    |                  | <del></del>                |
| <u> </u>            |                                       |                          |                                       |                    |                  |                            |
| Examiner            | · · · · · · · · · · · · · · · · · · · |                          | <u> </u>                              | Date C             | Considere        | d                          |
|                     | nitial if citation considered, w      |                          |                                       | _                  |                  | -                          |

| INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) |                                  | Docket Number (Optional)              | Application Number          |               |               |         |          |
|---|----------------------------------|---------------------------------------|-----------------------------|---------------|---------------|---------|----------|
|   |                                  | 2155CIPCON(203-3398CIPCON) 10/761,524 |                             |               |               |         |          |
|   |                                  | Applicant<br>Wham et al.              |                             |               |               |         |          |
|   |                                  | Filing Date                           | Group Art Number            |               |               |         |          |
|   |                                  |                                       | January 21, 2004            |               | 3739          |         |          |
|   |                                  | FOREIGN PAT                           | ENT DOCUMENTS               |               |               |         |          |
|   | Document                         | D-4-                                  | 0                           | 01            | 0             | Transla |          |
|   | Number                           | Date                                  | Country                     | Class         | Subclass      | Yes     | No       |
|   | 179,607                          | Mar. 1905                             | DE                          |               |               |         | <u> </u> |
|   | 390,937                          | Apr.,1989                             | DE                          |               |               |         |          |
|   | 1,099,658                        | Feb., 1961                            | DĒ                          | <b>_</b>      |               |         | 1        |
|   | 1,139,927                        | Nov.,1962                             | DE                          |               |               |         |          |
|   | 1,149,832                        | Jun.,1963                             | DE                          |               |               |         |          |
|   | 1,439,302                        | Jan. 1969                             | DE                          |               |               |         |          |
|   | 2,407,559                        | Aug., 1975                            | DE                          |               |               |         |          |
|   | 2,439,587                        | Feb., 1975                            | DE                          |               |               |         |          |
|   | 2,455,174                        | May.,1975                             | DE                          |               |               |         |          |
|   | 2,504,280                        | Aug.,1976                             | DE                          |               |               |         |          |
|   | 2,540,968                        | Mar.,1977                             | DE                          |               |               |         |          |
|   | 2,602,517                        | Jul., 1976                            | DE                          |               |               |         |          |
|   | 2,803,275                        | Aug.,1979                             | DE                          |               |               |         |          |
|   | 2,820,908                        | Nov.,1978                             | DE                          |               |               |         |          |
|   | 2,823,291                        | Nov.,1979                             | DE                          |               |               |         |          |
|   | 2,946,728                        | May.,1981                             | DE                          |               |               |         |          |
|   | 3,045,996                        | Jul., 1982                            | DE                          |               |               |         |          |
|   | 3,120,102                        | Dec.,1982                             | DE                          |               |               |         |          |
|   | 3,143,421                        | May.,1982                             | DE                          |               |               | •       |          |
|   | 3,510,586                        | Oct.,1986                             | DE                          |               |               |         | 1        |
|   | 3,604,823                        | Aug.,1987                             | DE                          |               |               |         |          |
|   | 3,904,558                        | Aug.,1990                             | DE                          |               |               |         | 1        |
|   | 3,942,998                        | Jul.,1991                             | DE                          |               |               |         | 1        |
|   |                                  |                                       |                             |               |               |         |          |
|   |                                  |                                       |                             |               |               | ·-      |          |
|   |                                  |                                       |                             |               |               |         |          |
| Examiner  |                                  |                                       |                             | Date C        | Considered    | i       |          |
|   |                                  |                                       |                             |               |               |         |          |
| Examiner: I   | nitial if citation considered, w | hether or nor citation                | is in conformance with MPI  | EP §609; Dr   | aw line throu | gh      |          |
| citation if no  | ot in conformance and not cons   | idered. Include copy                  | of this form with next comm | nunication to | the applicar  | ıt.     |          |

| Form P1O-1449                   |                                  | Docket Number (Optional) |                                       | Application Number |                  |                                       |            |
|---------------------------------|----------------------------------|--------------------------|---------------------------------------|--------------------|------------------|---------------------------------------|------------|
| INFORMATION DISCLOSURE CITATION |                                  |                          | 2155CIPCON(203-3398CIPCON) 10/761,524 |                    |                  |                                       |            |
| IN AN APPLICATION               |                                  | Applicant<br>Wham et al. |                                       |                    |                  |                                       |            |
|                                 | (Use several sheets if ne        | cessary)                 | Filing Date                           |                    | Group Art Number |                                       |            |
|                                 | <del> </del>                     | ****                     | January 21, 20                        | 004                |                  | 3739                                  |            |
|                                 |                                  | FOREIGN PATE             | ENT DOCUMENTS                         |                    |                  |                                       |            |
|                                 | Document<br>Number               | Date                     | Country                               | Class              | Subclass         | Transla<br>Yes                        | tion<br>No |
|                                 | 246,350                          | Nov.,1987                | EP                                    |                    |                  |                                       |            |
|                                 | 310,431                          | Apr.,1989                | EP                                    |                    |                  |                                       |            |
|                                 | 325,456                          | Jul., 1989               | EP                                    |                    |                  |                                       |            |
|                                 | 336,742                          | Oct.,1989                | EP                                    |                    |                  |                                       |            |
|                                 | 390,937                          | Oct., 1990               | EP                                    |                    |                  |                                       |            |
|                                 | 556,705                          | Aug., 1993               | EP                                    |                    |                  |                                       |            |
|                                 | 608,609                          | Aug.,1994                | EP                                    |                    |                  | · · · · · · · · · · · · · · · · · · · | <u> </u>   |
|                                 | 1,275,415                        | Oct.,1961                | FR                                    |                    |                  |                                       |            |
|                                 | 1,347,865                        | Nov.,1963                | FR                                    |                    |                  |                                       |            |
|                                 | 2,313,708                        | Dec., 1976               | FR                                    |                    |                  |                                       |            |
|                                 | 2,502,935                        | Oct.,1982                | FR                                    |                    |                  |                                       |            |
|                                 | 2,517,953                        | Jun.,1983                | FR                                    |                    |                  |                                       | <u> </u>   |
|                                 | 2,573,301                        | May, 1986                | FR                                    |                    |                  |                                       |            |
|                                 | 855,459                          | Nov., 1960               | GB                                    |                    |                  |                                       | <u> </u>   |
|                                 | 2,164,473                        | Mar., 1986               | GB                                    |                    |                  |                                       |            |
|                                 | 2,214,430                        | Sep. 6, 1989             | GB                                    |                    |                  |                                       | _          |
|                                 |                                  | 3-4-                     |                                       | 1                  |                  |                                       |            |
|                                 |                                  |                          |                                       |                    |                  |                                       | +          |
|                                 | - <u>-</u>                       |                          |                                       |                    |                  |                                       |            |
|                                 |                                  |                          |                                       |                    |                  |                                       | +          |
|                                 |                                  |                          |                                       |                    |                  |                                       |            |
| Examiner                        |                                  |                          |                                       | Date (             | Date Considered  |                                       |            |
|                                 | nitial if citation considered, w |                          |                                       | _                  |                  | _                                     |            |
|                                 |                                  |                          |                                       |                    |                  |                                       |            |

| Form PTO-1449  |                                  | Docket Number (Optional) 2155CIPCON(203-3398CIPCON) |             | Application Number       |            |                                       |            |
|--|----------------------------------|---|-------------|--------------------------|------------|---------------------------------------|------------|
| INFORMATION DISCLOSURE CITATION                      |                                  |   |             |                          |            |                                       |            |
| IN AN APPLICATION  (Use several sheets if necessary) |                                  | Applicant Wham et al.                               |             |                          |            |                                       |            |
|  |                                  | Filing Date January 21, 2004                        |             | Group Art Number<br>3739 |            |                                       |            |
| FOREIGN PATENT DOCUMENTS                             |                                  |   |             |                          |            |                                       |            |
|  | Document<br>Number               | Date  | Country     | Class                    | Subclass   | Transla<br>Yes                        | tion<br>No |
|  | WO92/06642                       | Apr.,1992   | PCT         |                          |            |                                       |            |
|  | WO93/24066                       | Dec.,1993   | PCT         |                          |            |                                       |            |
|  | WO94/24949                       | Nov.,1994   | PCT         |                          |            |                                       |            |
|  | WO94/28809                       | Dec.,1994   | PCT         |                          |            |                                       |            |
|  | WO95/09577                       | Apr.,1995   | PCT         |                          |            |                                       |            |
|  | WO95/19148                       | Jul.,1995   | PCT         |                          |            |                                       |            |
|  | WO96/02180                       | Feb., 1996  | PCT         |                          |            |                                       |            |
|  | WO96/04860                       | Feb.,1996   | PCT         |                          |            |                                       |            |
|  | WO96/08794                       | Mar.,1996   | PCT         |                          |            |                                       |            |
|  | WO96/18349                       | Jun.,1996   | PCT         |                          |            |                                       |            |
|  | WO96/29946                       | Oct.,1996   | PCT         |                          |            |                                       |            |
|  | WO96/39914                       | Dec.,1996   | PCT         |                          |            |                                       |            |
|  | WO97/06739                       | Feb.,1997   | PCT         |                          |            |                                       |            |
|  | WO97/06740                       | Feb.,1997   | PCT         |                          |            |                                       |            |
|  | WO97/06855                       | Feb.,1997   | PCT         |                          | <u> </u>   |                                       |            |
|  | WO97/17029                       | May.,1997   | PCT         |                          |            |                                       |            |
|  | WO02/47565                       | June, 2002  | PCT         |                          |            |                                       |            |
|  | 166,452                          | Jan., 1965  | SU          |                          |            |                                       |            |
|  | 727,201                          | Apr.,1980   | SU          |                          |            |                                       |            |
|  |                                  |   |             |                          |            |                                       |            |
|  |                                  |   |             |                          |            |                                       |            |
| -  |                                  |   |             |                          |            | · · · · · · · · · · · · · · · · · · · | ļ          |
|  |                                  |   |             |                          |            |                                       |            |
| Examiner   |                                  |   |             | Date C                   | Considered | i                                     |            |
|  | nitial if citation considered, w |   |             | •                        |            | -                                     | _          |
|  | <del></del>                      |   | <del></del> | =                        |            |                                       |            |

| Form PTO-1449   | Docket Number (Optional)  | Application Number       |  |  |   |  |  |  |  |  |
|---|---|--------------------------|--|--|---|--|--|--|--|--|
| INFORMATION DISCLOSURE CITATION   | 2155CIPCON(203-3398CIPCON)  | 10/761,524               |  |  |   |  |  |  |  |  |
| IN AN APPLICATION   | Applicant Wham et al.   |                          |  |  |   |  |  |  |  |  |
| (Use several sheets if necessary)   | Filing Date<br>January 21, 2004   | Group Art Number<br>3739 |  |  |   |  |  |  |  |  |
| OTHER   | DOCUMENTS   |                          |  |  |   |  |  |  |  |  |
| • · · · · · · · · · · · · · · · · · · ·   | Alexander et al., "Magnetic Resonance Image-Directed Stereotactic Neurosurgery: Use of Image Fusion with Computerized Tomography to Enhance Spatial Accuracy"         |                          |  |  |   |  |  |  |  |  |
| Journal Neurosurgery, 83; (1995) pp. 271-276  |   |                          |  |  |   |  |  |  |  |  |
| Anderson et al., "A Numerical Study of Rap  | Anderson et al., "A Numerical Study of Rapid Heating for High Temperature Radio Frequency Hyperthermia"   |                          |  |  |   |  |  |  |  |  |
| International Journal of Bio-Medical Comp   | uting, 35 (1994) pp. 297-307.   |                          |  |  |   |  |  |  |  |  |
| Astrahan, " A Localized Current Field Hype  | Astrahan, " A Localized Current Field Hyperthermia System for Use with 192-Iridium Interstitial Implants"   |                          |  |  |   |  |  |  |  |  |
| Medical Physics, 9 (3), May/Jun. 1982   |   |                          |  |  |   |  |  |  |  |  |
| Cosman et al., "Methods of Making Nervol  | us System Lesions"  |                          |  |  |   |  |  |  |  |  |
| In William RH, Rengachary SS (eds): Neur  | In William RH, Rengachary SS (eds): Neurosurgery, New York: McGraw-Hill, vol. 111, (1984), pp. 2490-2499.   |                          |  |  |   |  |  |  |  |  |
| Cosman et al., "Radiofrequency Lesion Ge  | Cosman et al., "Radiofrequency Lesion Generation and Its Effect on Tissue Impedance"  |                          |  |  |   |  |  |  |  |  |
| Applied Neurophysiology 51: (1988) pp. 23   | Applied Neurophysiology 51: (1988) pp. 230-242  |                          |  |  |   |  |  |  |  |  |
| Cosman et al., "Theoretical Aspects of Rad  | Cosman et al., "Theoretical Aspects of Radiofrequency Lesions in the Dorsal Root Entry Zone"  |                          |  |  |   |  |  |  |  |  |
| Neurosurgery 15:(1984) pp. 945-950  |   |                          |  |  |   |  |  |  |  |  |
| Geddes et al., "The Measurement of Physiologic Events by Electrical Impedence"  |   |                          |  |  |   |  |  |  |  |  |
| Am. J. MI, Jan. Mar. 1964, pp. 16-27  | Am. J. Ml, Jan. Mar. 1964, pp. 16-27  Goldberg et al., "Tissue Ablation with Radiofrequency: Effect of Probe Size, Gauge, Duration, and Temperature on Lesion Volume" |                          |  |  |   |  |  |  |  |  |
|   |   |                          |  |  |   |  |  |  |  |  |
| Acad Radio (1995) Vol. 2, No. 5, pp. 399-404  |   |                          |  |  |   |  |  |  |  |  |
| Medtrex Brochure "The O.R. Pro 300"  1 p.  Sugita et al., "Bipolar Coagulator with Automatic Thermocontrol"                             |   |                          |  |  |   |  |  |  |  |  |
|   |   |                          |  |  | J. Neurosurg., vol. 41, Dec. 1944, pp. 777- | J. Neurosurg., vol. 41, Dec. 1944, pp. 777-779  Valleylab Brochure "Valleylab Electroshield Monitoring System" |  |  |  |  |
|   |   |                          |  |  | Valleylab Brochure "Valleylab Electroshield |  |  |  |  |  |
| 2 pp.   | 2 pp.   |                          |  |  |   |  |  |  |  |  |
| Wald et al., "Accidental Burns",  | Wald et al., "Accidental Burns",  |                          |  |  |   |  |  |  |  |  |
| JAMA, Aug. 16, 1971, Vol. 217, No. 7, pp. 916-921   |   |                          |  |  |   |  |  |  |  |  |
| Richard Wolf Medical Instruments Corp. Brochure, "Kleppinger Bipolar Forceps & Bipolar Generator"                                       |   |                          |  |  |   |  |  |  |  |  |
| 3 рр.   |   |                          |  |  |   |  |  |  |  |  |
| Examiner  | Date Consid   |                          |  |  |   |  |  |  |  |  |
| Examiner: Initial if citation considered, whether or nor citation is citation if not in conformance and not considered. Include copy of | <del>-</del>  | •                        |  |  |   |  |  |  |  |  |